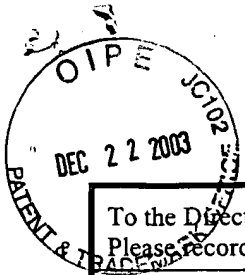


# ASSIGNMENT RECORDATION FORM COVER SHEET *Patents Only*



To the Director of the Patent and Trademark Office:  
Please record the attached original documents or copy thereof.

Attorney Dkt. No.: 034726/261916

1. Name of conveying party(ies):

John M. Calico

Additional name(s) of conveying party(ies) attached? Yes ☐ No ☒

2. Name and address of receiving party(ies):

Litton Systems, Inc.  
1840 Century Park East  
Los Angeles, CA 90067-2199

Additional name(s) & address(es) attached? Yes ☐ No ☒

3. Nature of conveyance:

- ☒ Assignment
- ☐ Merger
- ☐ Security Agreement
- ☐ Change of Name
- ☐ Other \_\_\_\_\_

Execution Date: \_\_\_\_\_

4. Application No. \_\_\_\_\_

Patent No. \_\_\_\_\_

If this document is being filed together with a new application, the execution date of the application is:

Additional numbers attached? Yes ☐ No ☒

5. Name and address of party to whom correspondence concerning document should be mailed:

**ALSTON & BIRD LLP**  
Bank of America Plaza  
101 South Tryon Street, Suite 4000  
Charlotte, NC 28280-4000

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41) \$40.00

- ☐ Enclosed
- ☒ Authorized to be charged to deposit account

8. Deposit account number: 16-0605

DO NOT USE THIS SPACE

9. Statement and signature: *To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Name of Person Signing: David A. Cornett

Reg. No. 48,417

9/17/2003  
Date

Total number of pages including cover sheet, attachments, and document: 3

**ASSIGNMENT - WORLDWIDE**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

Litton Systems, Inc.  
1840 Century Park East  
Los Angeles, CA 90067-2199

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention in

**STATOR FOR AN ELECTRIC DEVICE**

as set forth in this United States Patent Application

- ☒ executed concurrently herewith  
☐ executed on  
☐ Application No. \_\_\_\_; filed  
☐ Application claims priority from Application No. \_\_\_\_, filed \_\_\_\_, all applications listed above being hereinafter referred to as the "application(s)";

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

9/17/2003  
Date

John M. Calico  
John M. Calico

State of Georgia  
County of Cherokee

I, Jason Ditty, a Notary Public for said County and State, do hereby certify that John M. Calico personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 17 day of September, 2003.

(Official Seal)

Jason Ditty  
Notary Public

My commission expires 6-19-05



NO COPY  
DEC 22 2003  
PATENT & TRADEMARK OFFICE

Form PTO-1595  
(Rev. 10/02)

RECORDATION FORM COVER SHEET  
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 6/30/2005)

Tab settings ⇌ ⇌ ⇌ ▼ ▼ ▼ ▼ ▼ ▼ ▼

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Litton Systems, Inc.

2. Name and address of receiving party(ies)  
Name: Moog Components Group Inc  
Internal Address: \_\_\_\_\_

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Street Address: Seneca & Jamison Roads

City: East Aurora State: NY Zip: 14052

Execution Date: 09/30/2003

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s) \_\_\_\_\_  
see attached list (Exhibit B)

B. Patent No.(s) \_\_\_\_\_  
see attached list (Exhibit A)

Additional numbers attached? ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Peter K. Sommer, Esq.

Internal Address: Phillips Lytle LLP  
Intellectual Property Group

Street Address: 3400 HSBC Center

City: Buffalo State: NY Zip: 14203

6. Total number of applications and patents involved: 44

7. Total fee (37 CFR 3.41).....\$1,760.00  
\$40.00 x 44 = 1,760.00

☒ Enclosed

☐ Authorized to be charged to deposit account

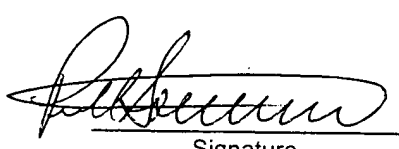
8. Deposit account number: \_\_\_\_\_

DO NOT USE THIS SPACE

9. Signature.

Peter K. Sommer, Esq.

Name of Person Signing



Signature

October 8, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 13

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

**ASSIGNMENT OF  
PATENTS AND PATENT APPLICATIONS**

WHEREAS, on this 30<sup>th</sup> day of September, 2003, LITTON SYSTEMS, INC., a Delaware corporation (the "Seller"), is either the sole and exclusive owner of, or has an ownership interest in the United States Patents specified in Exhibit A, the United States Patent Applications specified in Exhibit B, the foreign patents specified in Exhibit C, and the foreign patent applications specified in Exhibit D, (collectively referred to as "Patent Property"); and

WHEREAS, MOOG COMPONENTS GROUP INC., a New York corporation having an address of Seneca & Jamison Road, East Aurora, New York 14052 (the "Buyer"), is desirous of acquiring all of the right, title and interest of the Seller into and under said Patent Property, and the inventions disclosed therein and covered thereby:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN, that for and in consideration of the sum of money to the Seller in hand paid or to be paid by the Buyer and other good and valuable consideration, receipt and sufficiency of which is hereby acknowledged, the Seller, by these presents has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to the Buyer, all of the Seller's rights, titles and interests to the Patent Property, and to any and all inventions described in the Patent Property in the United States, its territorial possessions and all foreign countries, and in any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for letters patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, treaties, including all future conventions, unions, agreements, acts, and treaties, the same to be held and enjoyed by the Buyer for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives, to the end of the term or terms for which letters patent have been or may be granted or reissued as fully and entirely to the same extent as the same would have been held and enjoyed by the Seller, if this assignment and sale had not been made; together with all claims for damages or injunctive relief by reason of infringements of such letters patent listed in the Patent Property, with the right to sue for past infringement, and collect the same for its own use and behalf and for the use and behalf of its successors, assigns or other legal representatives.

And the Seller hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all letters patents of the United States on such inventions or resulting from the Patent Property or any continuations-in-part, continuations, divisions, substitutes, reissues or extensions thereof to the Buyer, as assignee of the entire interest, and hereby covenants that the Seller have full right to convey the interests herein assigned, and that it has not executed, and will not execute, any agreement in conflict herewith.


The Seller agrees that upon request by the Buyer, or its successors, assigns or other legal representatives that the Seller or its successors, assigns or other legal representatives shall do all other legal acts reasonably necessary to carry out the intent of this assignment at the assignee's

expense and request as well as provide such other material, information, or assistance as assignee or its successors, assigns or other legal representatives may consider necessary.

*[remainder of page intentionally left blank]*

IN TESTIMONY WHEREOF, the Seller has caused these presents to be signed by their duly authorized representatives as of the date first written above.

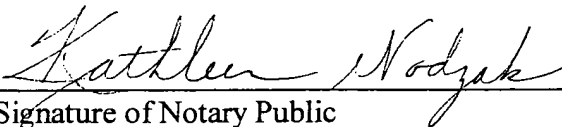
LITTON SYSTEMS, INC.

By:   
Name: David H. Strode  
Title: Assistant Treasurer

State of New Jersey  
County of Middlesex

On Wednesday, September 24, 2003, before me, Kathleen Nodzak, personally appeared David H. Strode, personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.


WITNESS my hand and official seal,

  
Signature of Notary Public

**KATHLEEN A. NODZAK**  
A Notary Public of New Jersey  
My Commission Expires 8/3/08

IN TESTIMONY WHEREOF, the Buyer has caused these presents to be signed by its duly authorized representative as of the date first written above.

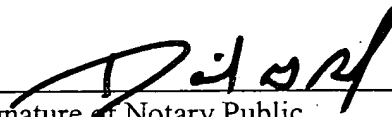
MOOG COMPONENTS GROUP INC.

By:   
Name: Robert R. Banta  
Title: Vice President

New York  
[State of ~~California~~]  
County of [ Erie ]

On [ 9/30/03 ] before me, [ David G. Reed ] personally appeared [ Robert R. Banta ] personally known to me - OR - proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.]

WITNESS my hand and official seal,

  
Signature of Notary Public

DAVID G. REED  
Notary Public, State of New York  
ERIE COUNTY  
Commission Expires February 7, 2006



# EXHIBIT A

UNITED STATES PATENTS					
DOCKET NO.	PATENT TITLE	PATENT NUMBER	ISSUE DATE	APPLICATION NUMBER	FILING DATE
CL 01050	Cable Stripping Apparatus	4,699,027	10/13/87	06/888,745	7/24/86
CLS 138	Emergency Transmitter Buoy and Bracket Assembly	4,981,453	1/1/91	07/332,322	3/31/89
CLS 139	Multifrequency Antenna Having A DC Power Path	4,989,013	1/29/91	07/332,208	3/31/89
CLS 140	Diplexer for Coupling RF Signals, As Well As a DC Sawtooth Signal, to an Antenna	4,980,661	12/25/90	07/332,209	3/31/89
CLS 141	Transmitter Buoy	D319,407	8/27/91	07/332,210	3/31/89
CLS 142	Combined Transmitter Buoy and Bracket Therefor	D320,950	10/22/91	07/332,321	3/31/89
CLS 143	Transmitter Buoy	D319,799	9/10/91	07/390,336	8/7/89
CLS 144	Display Cell Having Active and Passive Areas	5,130,827	7/14/92	07/579,616	9/10/90
LSD 149	Emergency Transmitter Buoy For Use On Marine Vessels	5,218,366	6/8/93	07/782,329	10/24/91
PS 61	Fiber Optic Rotary Joint Using Reflective Surface and Tangentially Mounted Rotor and Stator Optical Fibers	4,525,025	6/25/85	06/477,070	3/21/83 expired
PS 62	Alignable Single Channel Fiber Optic Rotary Joint	4,815,812	3/28/89	06/436,508	10/25/82
PS 65	Rolling Loop Twist Capsule	4,693,527	9/15/87	06/856,247	4/28/86
PS 66	Fast Acting Solid State AC Circuit Breaker	4,713,720	12/15/87	06/862,958	5/14/86
PS 67	Limited Rotation Twist Capsule	4,710,131	12/1/87	06/861,709	5/12/86
PS 70	Digital wavelength division multiplex optical transducer having an improved decoder	5,281,811	1/25/94	07/716,224	6/17/91
PS 71	Method of Manufacturing An Electrical Slip Ring Assembly	5,054,189	10/8/91	07/603,155	10/25/90
PS 78	Fiber Optic Transceiver With Integral Coupler	5,285,512	2/8/94	07/903,278	6/24/92
PS 78	Fiber Optic Transceiver With Integral Coupler	5,455,703	10/3/95	08/141,526	10/27/93
PS 82	Electrical slip ring and method of manufacturing same	5,734,218	3/31/98	08/645,221	5/13/96
PS 87	Method of manufacturing an electrical slip ring base	5,745,976	5/5/98	08/645,222	5/13/96

UNITED STATES PATENTS					
DOCKET NO.	PATENT TITLE	PATENT NUMBER	ISSUE DATE	APPLICATION NUMBER	FILING DATE
PS 90	Method of Manufacturing Composite Pancake Slip Ring Assembly	5,901,429	5/11/99	08/887,697	7/3/97
PS 93	Fiber Optic Rotary Joint	5,991,478	11/23/99	08/942,721	10/2/97
PS 93 CIP	Fiber Optic Rotary Joint	6,104,849	8/15/00	09/115,946	7/15/98
PS 94	Method of assembling a slip ring with an integral bearing	6,049,967	4/18/00	09/126,733	7/31/98
PS 94	Slip Ring With Integral Bearing Assembly and Method of Manufacture	6,283,638	9/4/01	09/484,202	1/18/00
PS 95	High Frequency Ribbon Cable for Twist Capsule Cable Applications	6,296,725	10/2/01	09/398,017	9/17/99
PS 97	Electrical Slip Ring Having A Higher Circuit Density	6,356,002	3/12/02	09/246,098	2/8/99
PS 97A	Method of Electroforming a Slip Ring	6,502,298	1/7/03	09/484,417	1/18/00
PS 98	Pressed V-Groove Pancake Slip Ring	6,222,297	4/24/01	09/404,377	9/24/99
PS-98	Pressed V-Groove Pancake Slip Ring	6,536,095	3/25/03	09/779,475	2/9/01
PS 102	Method of gap filling a conductive slip ring	6,266,876	7/31/01	09/438,403	11/12/99
PS 103	MEMS Optical Backplane Interface	6,477,303	11/5/02	09/571,267	5/15/00
PS 104	Segmented Waveguide For Large Diameter Fiber Optic Rotary Joint	6,453,088	9/17/02	09/629,146	7/31/00

## EXHIBIT B

UNITED STATES PATENT APPLICATIONS			
DOCKET NO.	APPLICATION TITLE	APPLICATION NUMBER	APPLICATION FILING DATE
PS 100	Multi-Channel On-Axis Fiber Optic Rotary Joint	09/531,772	3/21/00 abandoned
PS 106	Fiber Lens Assembly for Singlemode Optical Switches	09/628,015	7/28/00
PS 111	Utilizing Feedback for Control of Switch Actuators	10/041,793	10/19/01
PS 112	Electrical Slip Ring Apparatus Having Multiple Spaced Apart Support Structures	10/013,535	12/13/01
000022-209	Switch/Variable Optical Attenuator" (SVOA)	10/371,184	2/24/03
000028-209	Self Energizing Brake	10/188,058	7/3/02
000117-209	Fiber Optic Rotary Joint and Associated Alignment Method	10/657/403	9/18/03
000145-209	Permanent magnet Rotor for Brushless DC Motor	10/610,747	7/01/03
000208-209	Fiber Optic Rotary Flex	10/250,076	6/02/03
000228-209	Fiber Optic Rotary Joint	10/287,601	11/5/02
000298-209	Stator for Electrical Device		9/17/03
000303-209	Conic Reflectors for Transmission of High Speed Data Through Fiber Optic Rotary Joints		

# EXHIBIT C

FOREIGN PATENTS						
DOCKET NO.	PATENT TITLE	COUNTRY	PATENT NUMBER	ISSUE DATE	FILING DATE	RELATED U.S. PATENT/ APPLICATION
CLS 138	Emergency Transmitter Buoy and Bracket Assembly	AU	638003		3/20/90	4,981,453
CLS 138	Emergency Transmitter Buoy and Bracket Assembly	AU	645454		4/2/93	4,981,453
CLS 144	Dual Cavity LCD	CA	2,050,393	5/31/94	8/30/91	5,130,827
CLS 144	Display cell having active and passive areas	IL	99319		8/27/91	5,130,827
PS 39	Single channel optical slip ring	EP	0051915		9/16/81	4,373,779 expired
PS 48	Gas filled high voltage slip ring assembly	EP	0039994		4/3/81	4,329,004 expired
PS 49	Optical slip ring assembly	JP	1786914		3/9/82	4,436,367 & 4,492,427 expired
PS 61	Fiber Optic Rotary Joint Using Reflective Surface	CA	1,216,451	1/13/87	2/2/84	4,525,025
PS 61	Fiber Optic Rotary Joint Using Reflective Surface	DE	3472306		3/15/84	4,525,025
PS 61	Fiber Optic Rotary Joint Using Reflective Surface	EP	0122476		3/15/84	4,525,025
PS 61	Fiber Optic Rotary Joint Using Reflective Surface	FR	EPO122476		3/15/84	4,525,025
PS 61	Fiber Optic Rotary Joint Using Reflective Surface	IT	EPO122476		3/15/84	4,525,025
PS 61	Fiber Optic Rotary Joint Using Reflective Surface	JP	1688951		3/21/84	4,525,025
PS 62	Alignable Single Channel Fiber Optic Rotary Joint	CA	1,240,869	8/23/88	8/30/83	4,815,812
PS 62	Alignable Single Channel Fiber Optic Rotary Joint	DE	3365150.7		9/19/83	4,815,812
PS 62	Alignable Single Channel Fiber Optic Rotary Joint	EP	0107035		9/19/83	4,815,812
PS 62	Alignable Single Channel Fiber Optic Rotary Joint	FR	EPO107035		9/19/83	4,815,812
PS 62	Alignable Single Channel Fiber Optic Rotary Joint	GB	EPO107035		9/19/83	4,815,812
PS 62	Alignable Single Channel Fiber Optic Rotary Joint	IT	EPO107035		9/19/83	4,815,812

FOREIGN PATENTS						
DOCKET NO.	PATENT TITLE	COUNTRY	PATENT NUMBER	ISSUE DATE	FILING DATE	RELATED U.S. PATENT/ APPLICATION
PS 62	Alignable Single Channel Fiber Optic Rotary Joint	JP	1759877		10/25/83	4,815,812
PS 63	Shock and vibration sensitive switch	CA	1,185,673	4/16/85	10/20/83	4,467,153 expired
PS 63	Shock and vibration sensitive switch	EP	0117982		1/18/84	4,467,153 expired
PS 63	Shock and vibration sensitive switch	JP	1663152		12/15/83	4,467,153 expired
PS 66	Fast Acting Solid State AC Circuit Breaker	CA	1,264,369	1/9/90	5/13/87	4,713,720
PS 66	Fast Acting Solid State AC Circuit Breaker	IL	82437		5/6/87	4,713,720
PS 93	Fiber Optic Rotary Joint	EP	1019763	4/23/03	3/29/00	5,991,478 6,104,849
PS 93	Fiber Optic Rotary Joint	TW	124619		10/2/98	5,991,478 6,104,849

## EXHIBIT D

FOREIGN PATENT APPLICATIONS					
DOCKET NO.	APPLICATION TITLE	COUNTRY	APPLICATION NUMBER	FILING DATE	RELATED U.S. PATENT/ APPLICATION
PS 93	Fiber Optic Rotary Joint	CA	2,305,448	10/2/98	09/115,946 08/942,721
PS 93	Fiber Optic Rotary Joint	IL	135291	3/27/00	09/115,946
PS 93	Fiber Optic Rotary Joint	JP	515198 2000	3/31/00	09/115,946
PS 93	Fiber Optic Rotary Joint	KR	2000-7003577	4/1/00	09/115,946
PS 93	Fiber Optic Rotary Joint	WO	US98 20835	10/2/98	09/115,946
PS 94	Slip Ring With Integral Bearing Assembly and Method of Manufacture	CA	2,279,115	7/29/99	6,049,967 6,283,638
PS 94	Slip Ring With Integral Bearing Assembly and Method of Manufacture	EP	99114690.3	7/27/99	6,049,967 6,283,638
PS 94	Slip Ring With Integral Bearing Assembly and Method of Manufacture	JP	11 216086	7/30/99	6,049,967 6,283,638
PS 95	High Frequency Ribbon Cable for Twist Applications	EP	99 119293.1	9/28/99	09/398,017
PS 95	High Frequency Ribbon Cable for Poly-Twist Applications	JP	11 276839	9/29/99	09/398,017
PS 97	Electrical Slip Ring Having A Higher Circuit Density	CA	2,296,825	1/24/00	6,356,002
PS 97	Electrical Slip Ring Having A Higher Circuit Density	EP	00 102 581.6	2/7/00	6,356,002
PS 97	Electrical Slip Ring Having A Higher Circuit Density	JP	P2000-25847	2/3/00	6,356,002
PS 98	Pressed V-Groove Pancake Slip Ring	CA	2,320,010	9/18/00	6,222,297
PS 98	Pressed V-Groove Pancake Slip Ring	EP	00120581.4	9/20/00	6,222,297
PS 98	Pressed V-Groove Pancake Slip Ring	JP	2000-281336	9/18/00	6,222,297
PS-102	Improvement in Wrapped Ring Technology for Manufacture of Large Diameter Slip Ring Bases	CA	2,325,683	11/10/00	09/438,403

FOREIGN PATENT APPLICATIONS					
DOCKET NO.	APPLICATION TITLE	COUNTRY	APPLICATION NUMBER	FILING DATE	RELATED U.S. PATENT/ APPLICATION
PS-102	Improvement in Wrapped Ring Technology for Manufacture of Large Diameter Slip Ring Bases	EP	00 124 635.4	11/10/00	09/438,403
PS-102	Improvement in Wrapped Ring Technology for Manufacture of Large Diameter Slip Ring Bases	JP	P2000-381055	11/10/00	09/438,403
PS-103	MEMS Optical Backplane Interface	CA	2409081	5/14/01	09/571,267
PS-103	MEMS Optical Backplane Interface	EP	019355254	12/9/02	09/571,267
PS-103	MEMS Optical Backplane Interface	JP	2001584921	1/1/03	09/571,267
PS-103	MEMS Optical Backplane Interface	WO	PCTUS011564	5/14/01	09/571,267
PS-104	Segmented Waveguide For Large Diameter Fiber Optic Rotary Joint	CA	2,352,691	7/9/01	09/629,146
PS-104	Segmented Waveguide For Large Diameter Fiber Optic Rotary Joint	EP	01118070.0	7/25/01	09/629,146
PS-104	Segmented Waveguide For Large Diameter Fiber Optic Rotary Joint	JP	2001-232801	7/31/01	09/629,146
PS-105	Parallel Data Transmission Through Segmented Waveguides of Large Diameter	CA	2,352,626	7/9/01	6,385,367
PS-105	Parallel Data Transmission Through Segmented Waveguides of Large Diameter	EP	01118069.2	7/25/01	6,385,367
PS-105	Parallel Data Transmission Through Segmented Waveguides of Large Diameter	JP	2001-232806	7/31/01	6,385,367
PS-106	Fiber Lens Assembly for Singlemode Optical Switches	CA	2,353,231	7/19/01	09/628,015
PS-106	Fiber Lens Assembly for Singlemode Optical Switches	EP	01117883.7	7/23/01	09/628,015

# FOREIGN PATENT APPLICATIONS

DOCKET NO.	APPLICATION TITLE	COUNTRY	APPLICATION NUMBER	FILING DATE	RELATED U.S. PATENT/ APPLICATION
PS-106	Fiber Lens Assembly for Singlemode Optical Switches	JP	2001-228786	7/27/01	09/628,015
PS-107	Brushless Slip Ring Using Rolling Elements as Electrical Conductors	EP	97934279.7	7/30/97	5,923,114 08/681,970 Abandoned
PS-111	Utilizing Feedback for Control of Switch Actuators	EP	022571640	10/16/02	10/041,793
PS-112	Electrical Slip Ring Apparatus Having Multiple Spaced Apart Support Structures	CA	2414104	12/12/02	10/013,535
PS-112	Electrical Slip Ring Apparatus Having Multiple Spaced Apart Support Structures	EP	020272076	12/05/02	10/013,535
PS-112	Electrical Slip Ring Apparatus Having Multiple Spaced Apart Support Structures	JP	2002362817	12/13/02	10/013,535